

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072427.D
 Acq On : 25 Mar 2022 14:19
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Mar 26 00:10:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

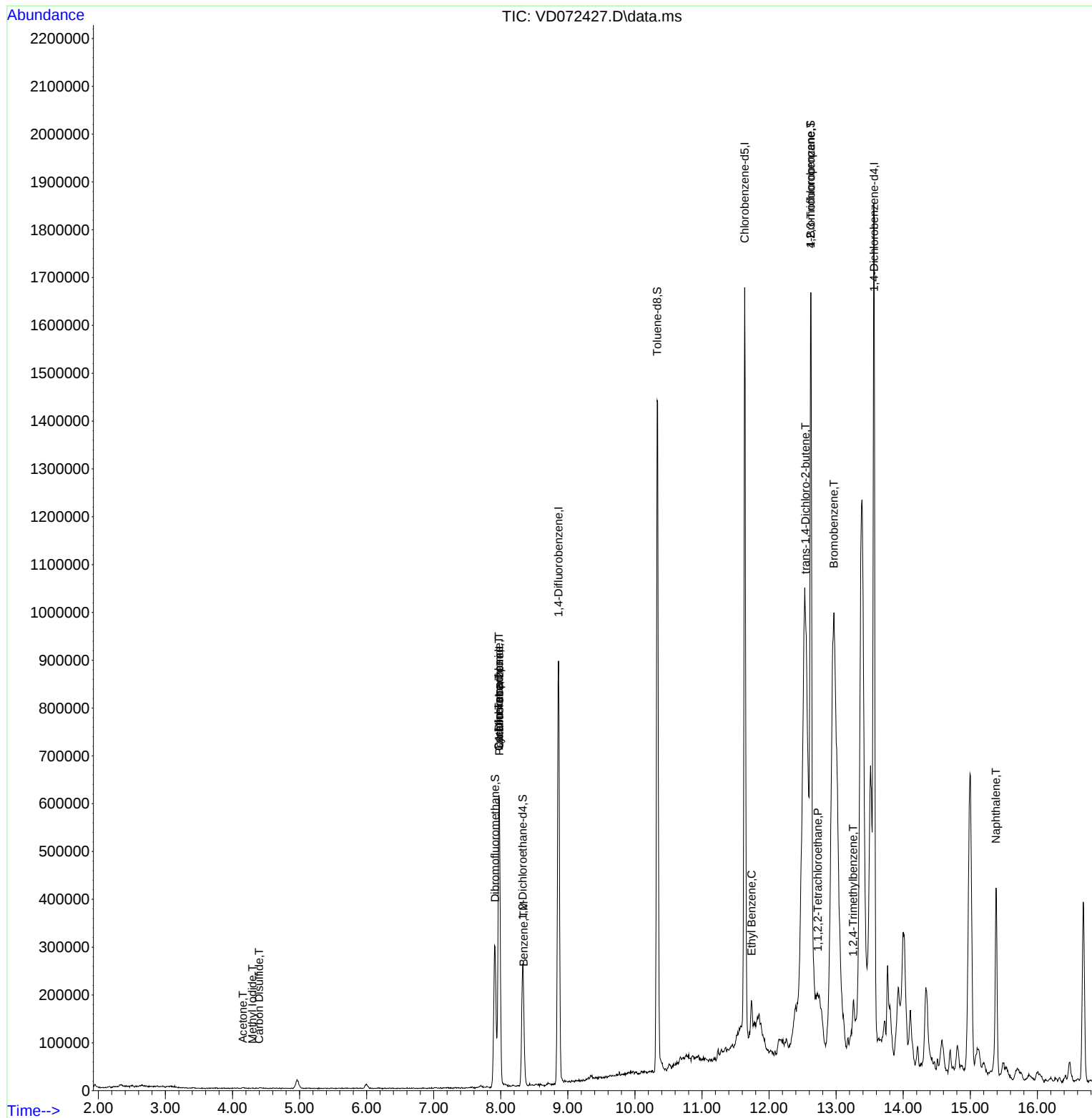
Internal Standards						
1) Pentafluorobenzene	7.979	168	450538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	755679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	856426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	464244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	197006	39.236	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.480%		
35) Dibromofluoromethane	7.914	113	219127	41.207	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.420%		
50) Toluene-d8	10.331	98	969785	49.875	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.740%		
62) 4-Bromofluorobenzene	12.620	95	451802	59.800	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	119.600%		
Target Compounds						Qvalue
10) Methyl Iodide	4.296	142	432	2.316	ug/l #	73
16) Acetone	4.155	43	2471	2.267	ug/l #	68
17) Carbon Disulfide	4.396	76	2489	1.750	ug/l #	74
20) Methylene Chloride	4.967	84	13645	Below Cal		94
31) Cyclohexane	7.973	56	11614	1.481	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	36781	4.930	ug/l #	52
38) Carbon Tetrachloride	7.973	117	48501	5.719	ug/l #	17
40) Benzene	8.343	78	32048	1.506	ug/l	98
67) Ethyl Benzene	11.737	91	46025	1.357	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.725	83	14129	2.147	ug/l #	26
76) 1,2,3-Trichloropropane	12.620	75	251889	49.187	ug/l #	100
77) Bromobenzene	12.967	156	1181367	142.672	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.543	75	41929	20.314	ug/l #	22
84) 1,2,4-Trimethylbenzene	13.255	105	32832	1.054	ug/l	96
95) Naphthalene	15.384	128	361693	20.947	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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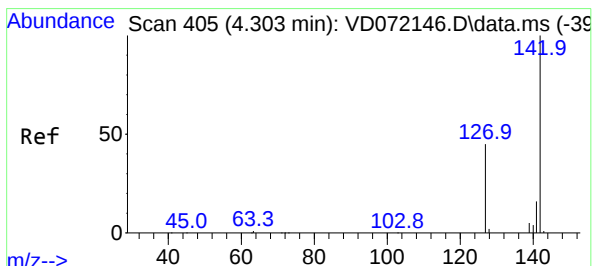
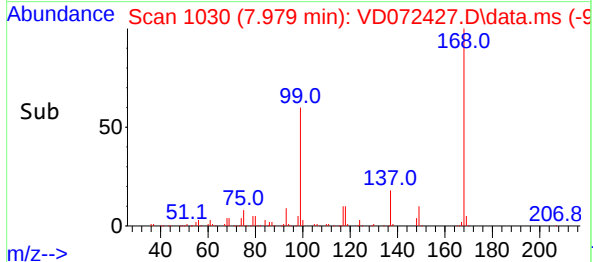
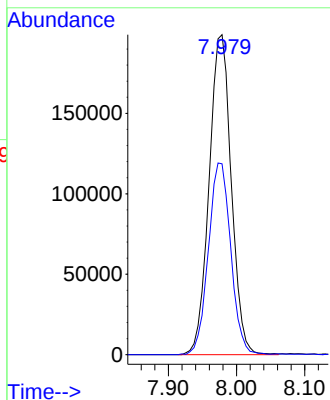
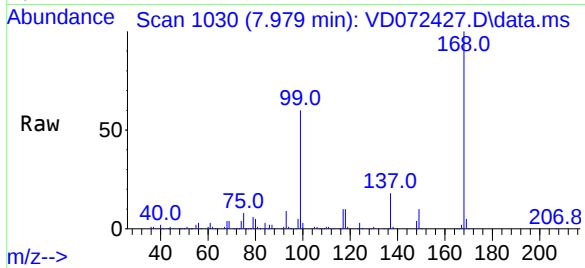




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

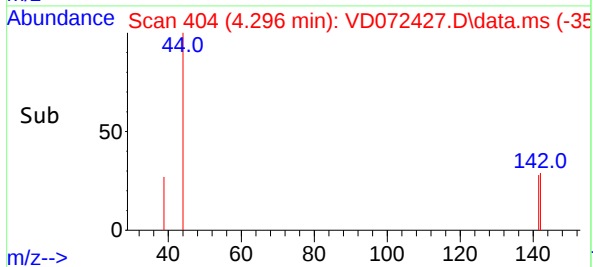
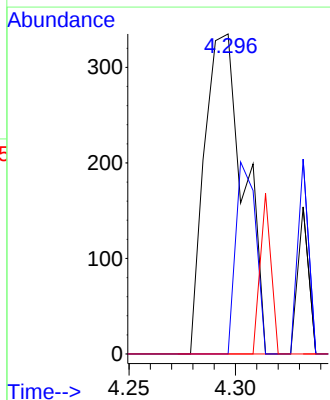
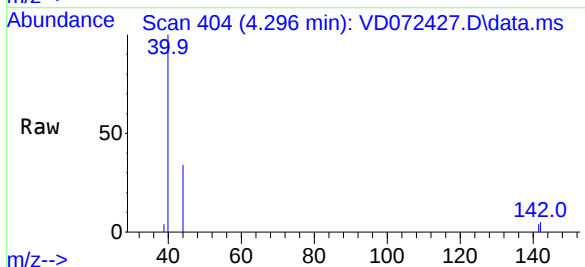
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 450538
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#10
Methyl Iodide
Concen: 2.316 ug/l
RT: 4.296 min Scan# 404
Delta R.T. -0.007 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Tgt Ion:142 Resp: 432
Ion Ratio Lower Upper
142 100
127 30.3 37.3 55.9#
141 0.0 11.7 17.5#

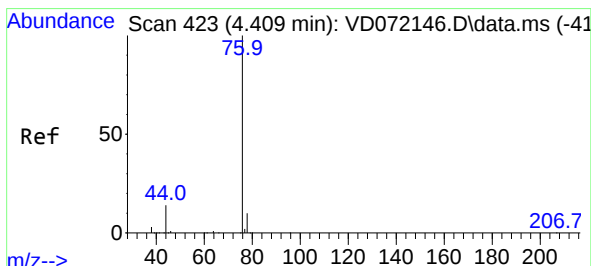
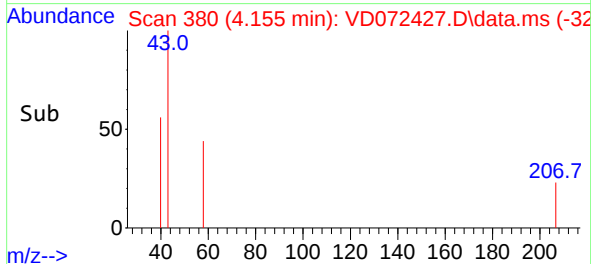
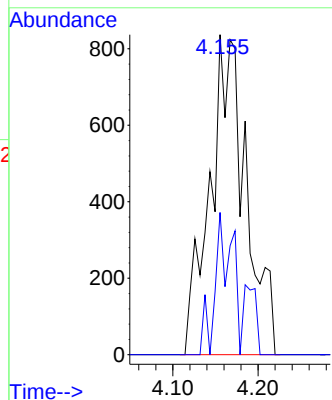
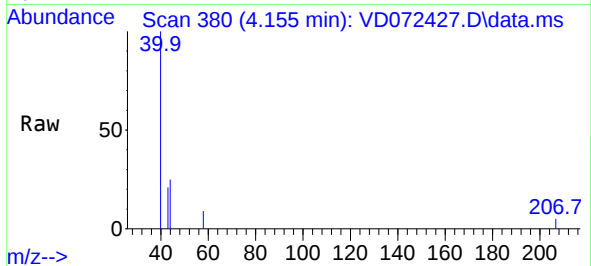




#16
Acetone
Concen: 2.267 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

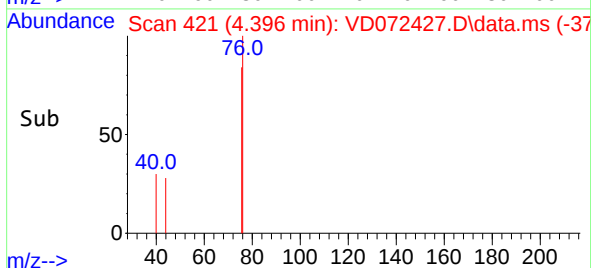
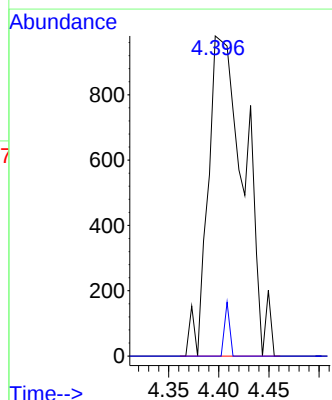
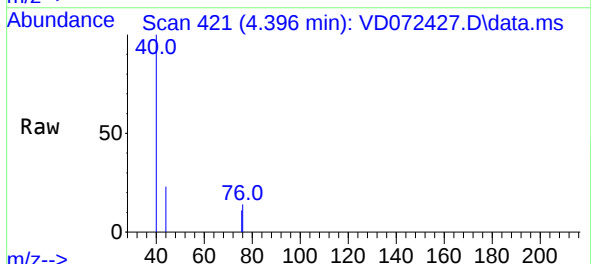
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

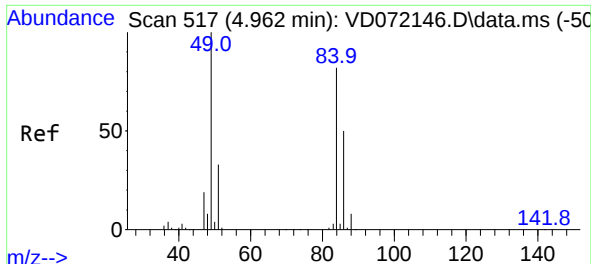
Tgt Ion: 43 Resp: 2471
Ion Ratio Lower Upper
43 100
58 44.4 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.750 ug/l
RT: 4.396 min Scan# 421
Delta R.T. -0.013 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

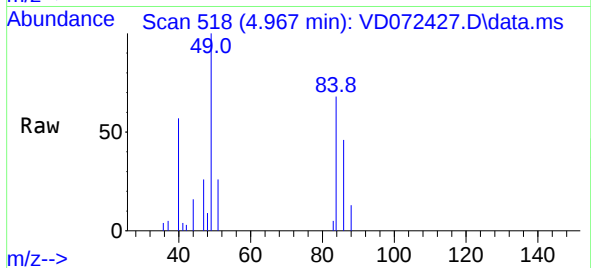
Tgt Ion: 76 Resp: 2489
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





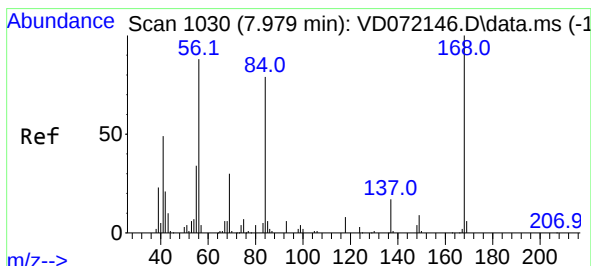
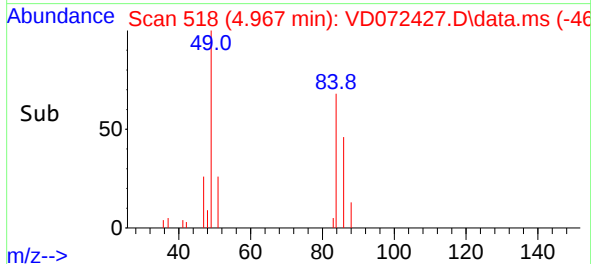
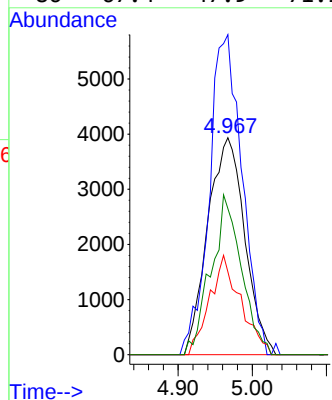
#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Instrument :
MSVOA_D
ClientSampleId :
VIBLK



Tgt Ion: 84 Resp: 13645

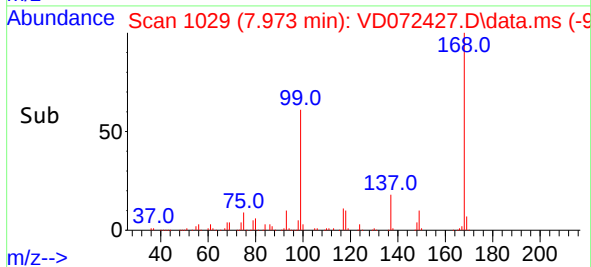
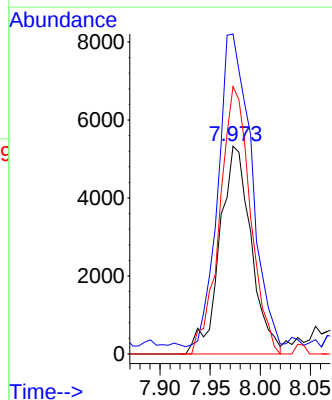
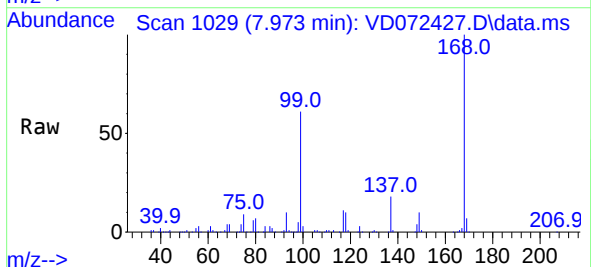
Ion	Ratio	Lower	Upper
84	100		
49	147.5	112.8	169.2
51	38.2	32.6	48.8
86	67.4	47.9	71.9

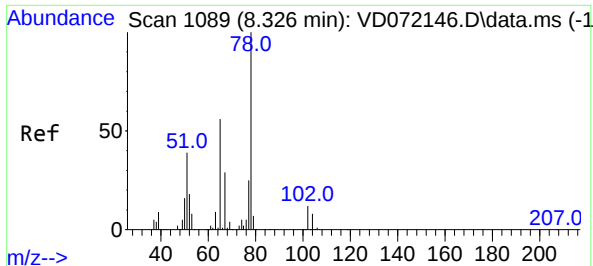


#31
Cyclohexane
Concen: 1.481 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 56 Resp: 11614

Ion	Ratio	Lower	Upper
56	100		
69	149.7	25.4	38.2#
84	128.7	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 39.236 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072427.D

Acq: 25 Mar 2022 14:19

Instrument :

MSVOA_D

ClientSampleId :

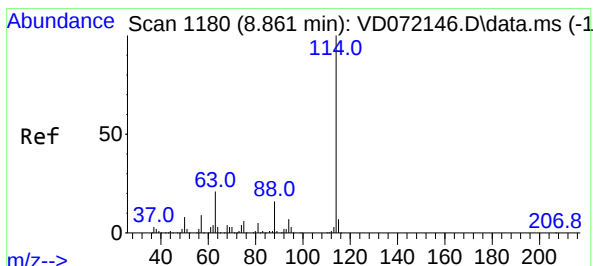
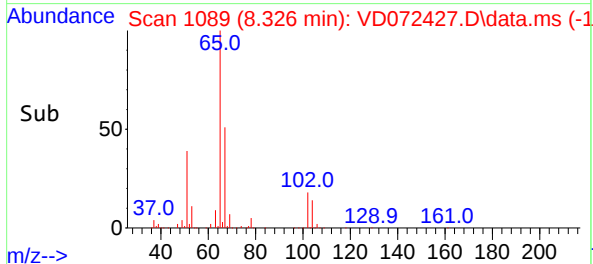
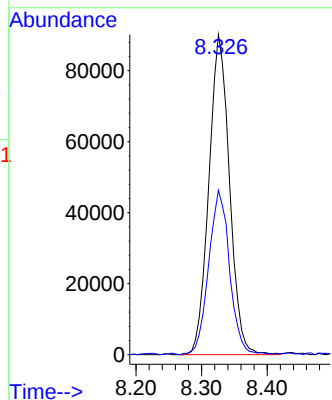
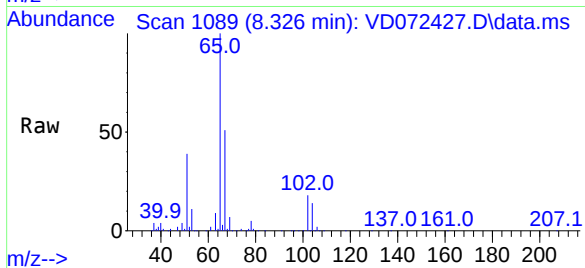
VIBLK

Tgt Ion: 65 Resp: 197006

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072427.D

Acq: 25 Mar 2022 14:19

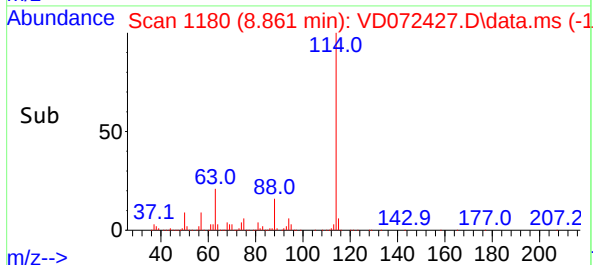
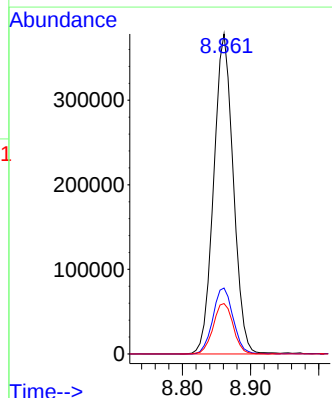
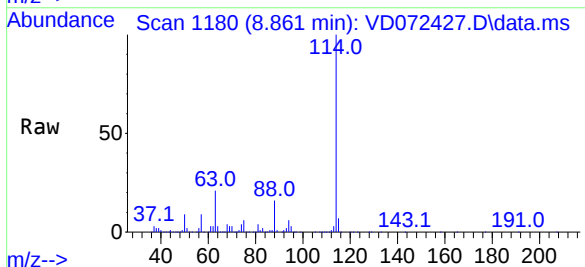
Tgt Ion: 114 Resp: 755679

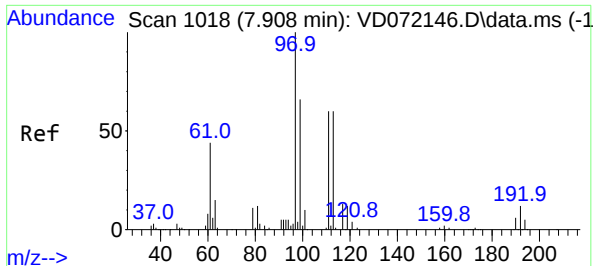
Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 15.7 0.0 33.2

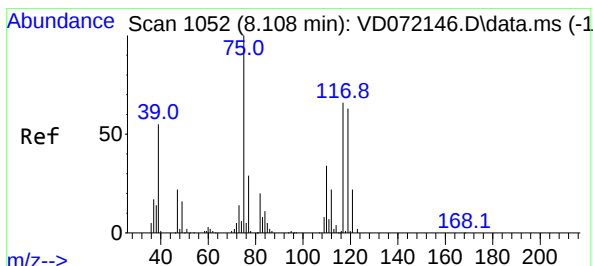
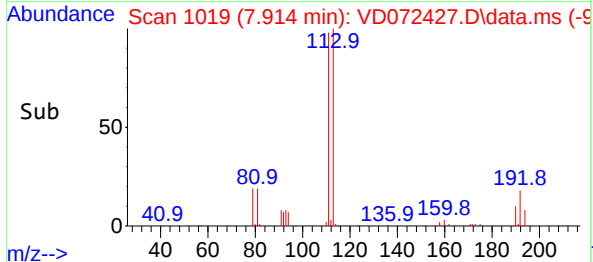
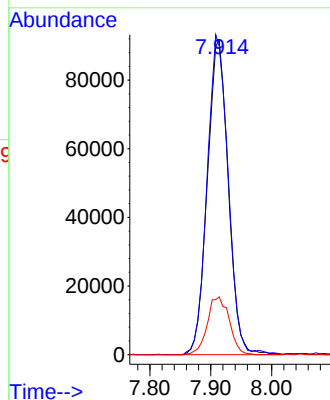
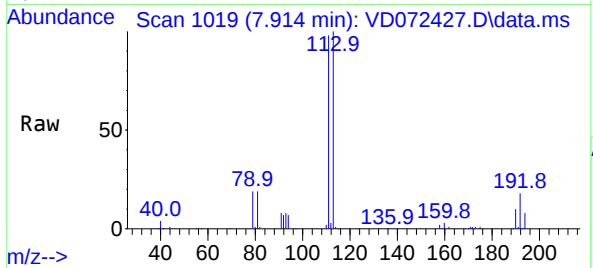




#35
Dibromofluoromethane
Concen: 41.207 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.005 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

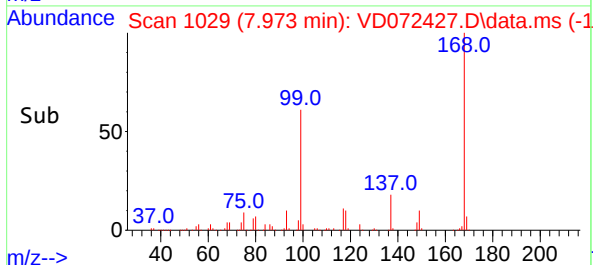
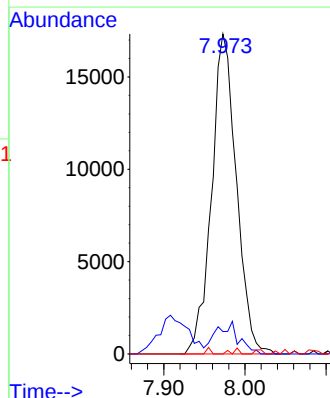
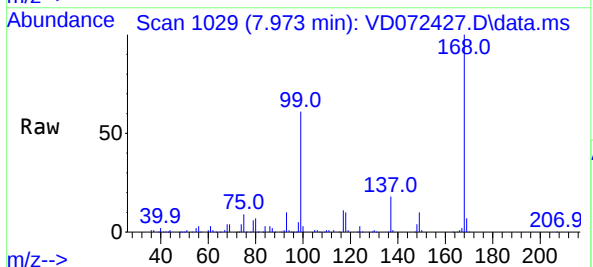
Instrument :
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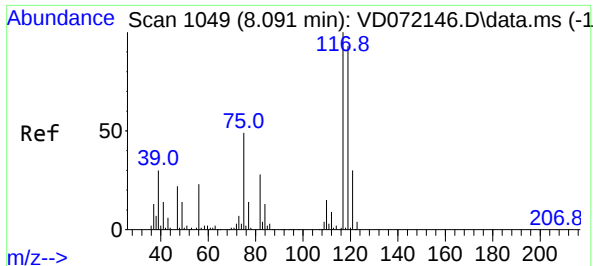
Tgt Ion:113 Resp: 219127
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.6
192 19.3 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 75 Resp: 36781
Ion Ratio Lower Upper
75 100
110 9.2 16.4 49.1#
77 0.0 24.2 36.2#

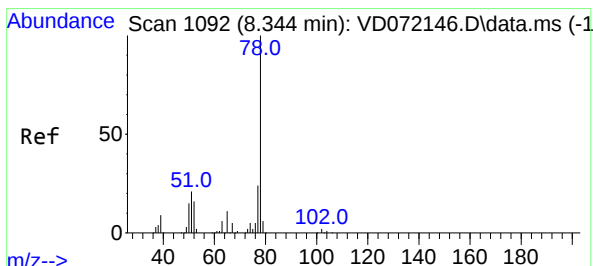
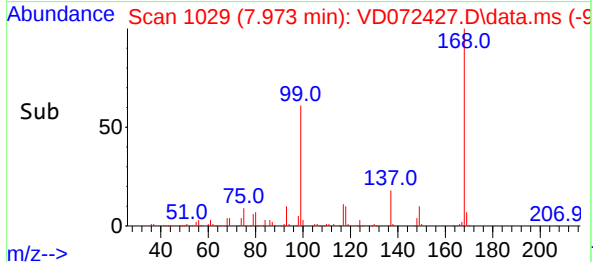
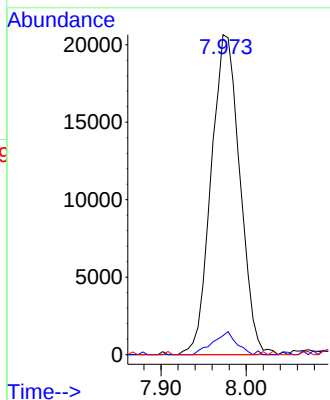
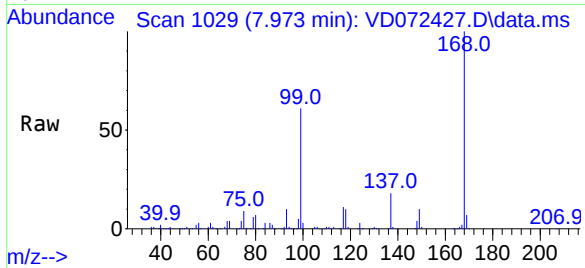




#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

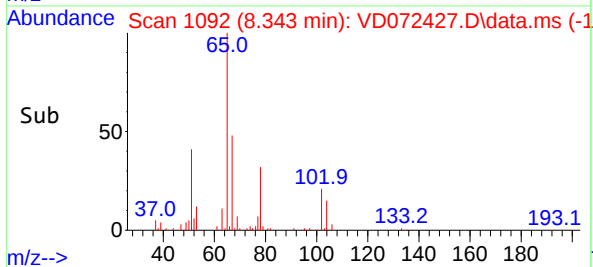
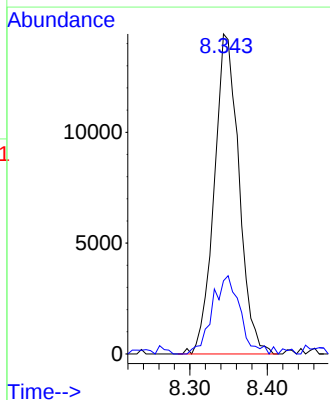
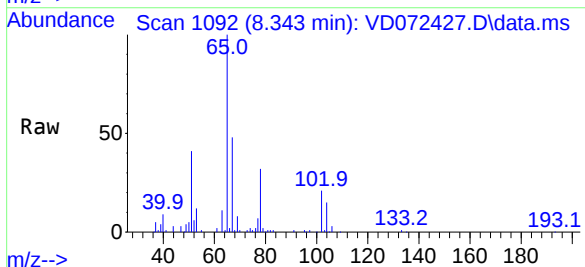
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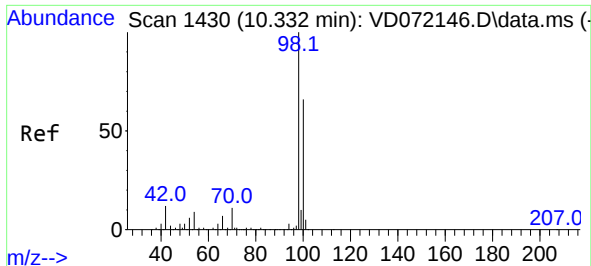
Tgt Ion:117 Resp: 48501
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 1.506 ug/l
RT: 8.343 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 78 Resp: 32048
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7

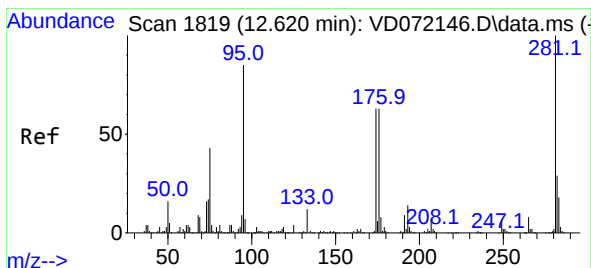
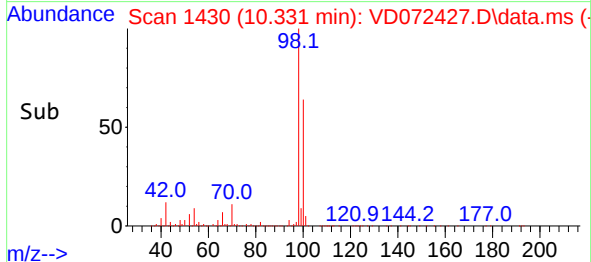
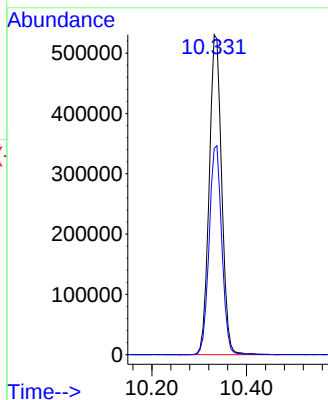
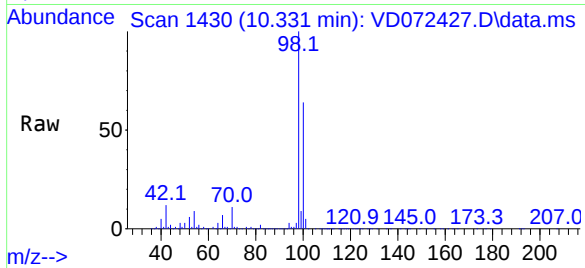




#50
Toluene-d8
Concen: 49.875 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

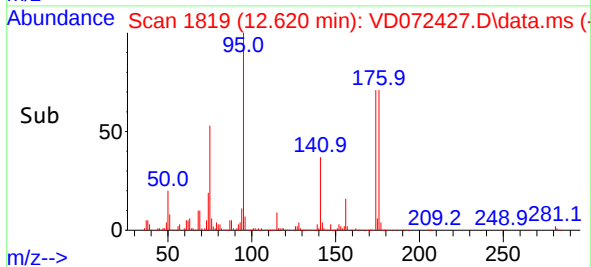
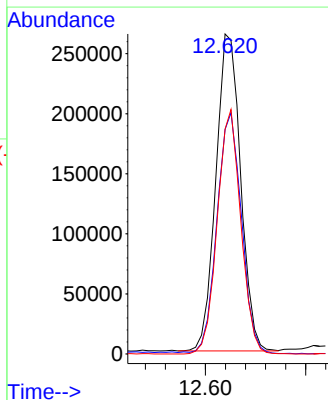
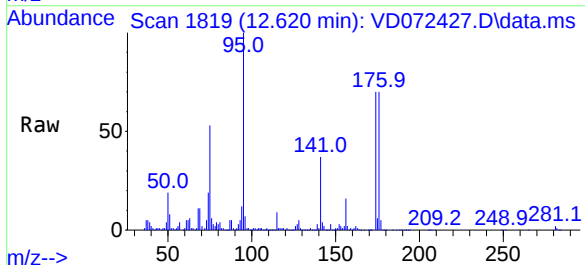
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

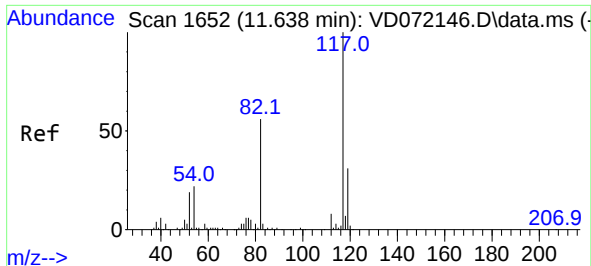
Tgt Ion: 98 Resp: 969785
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 59.800 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 95 Resp: 451802
Ion Ratio Lower Upper
95 100
174 75.3 0.0 152.8
176 73.2 0.0 145.4

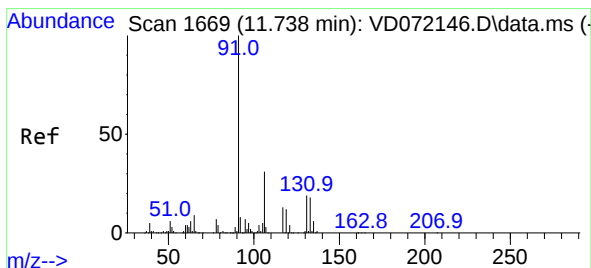
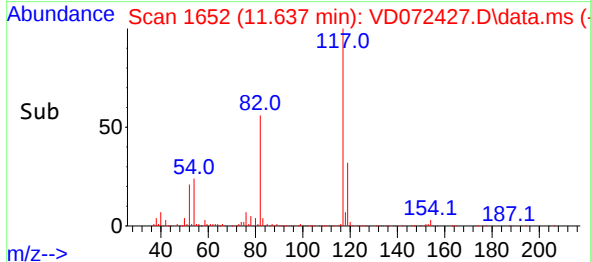
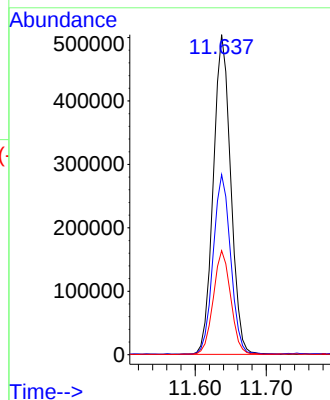
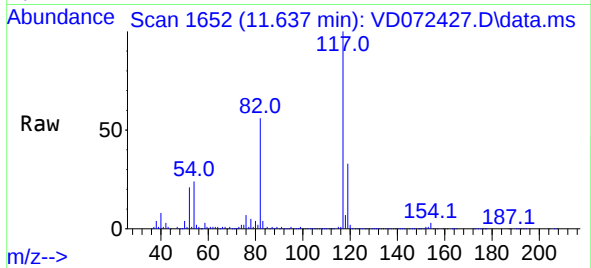




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

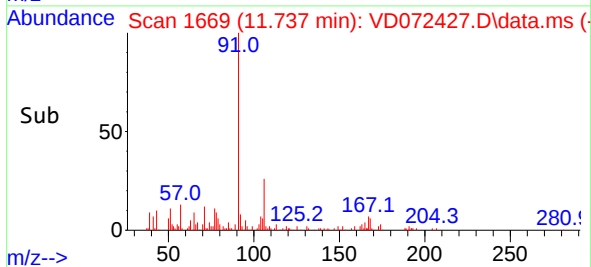
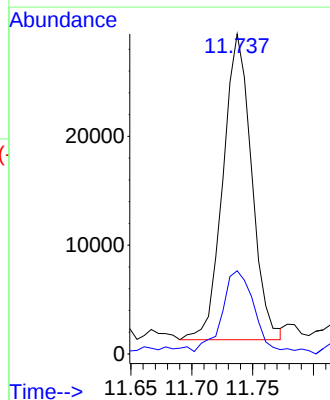
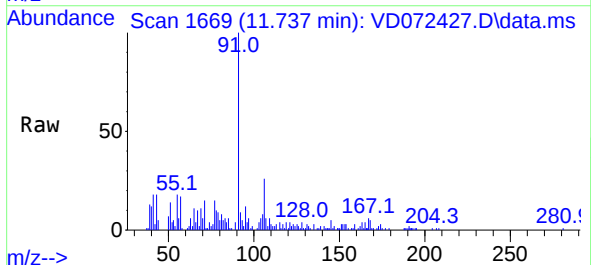
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

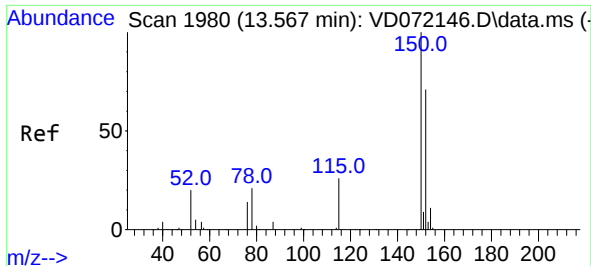
Tgt Ion:117 Resp: 856426
Ion Ratio Lower Upper
117 100
82 56.1 45.3 67.9
119 32.4 26.6 40.0



#67
Ethyl Benzene
Concen: 1.357 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 91 Resp: 46025
Ion Ratio Lower Upper
91 100
106 25.8 24.2 36.4

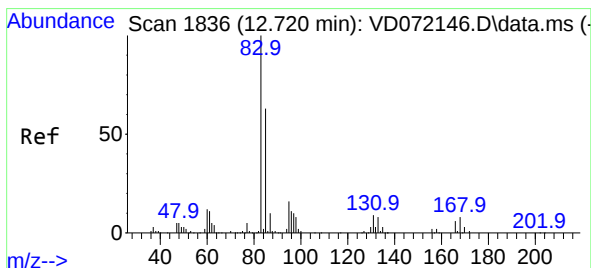
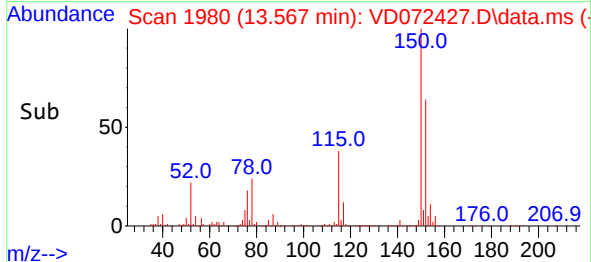
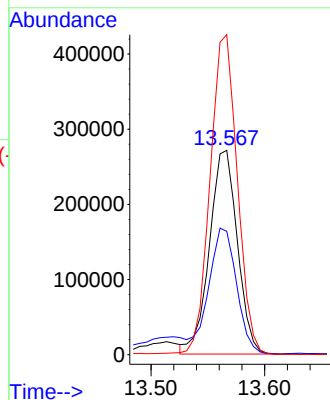
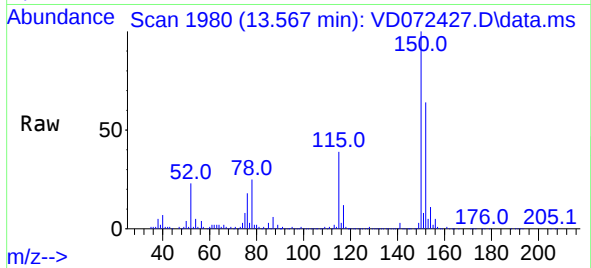




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

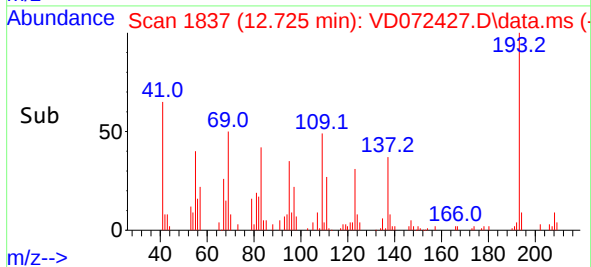
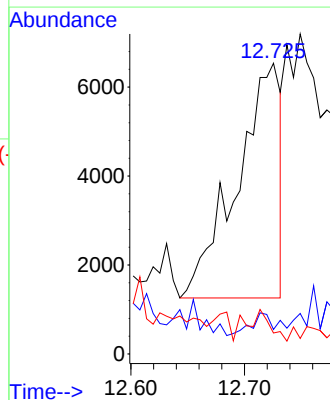
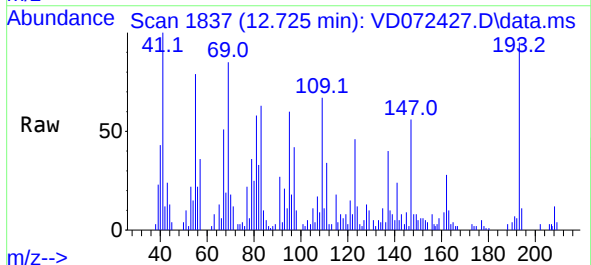
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

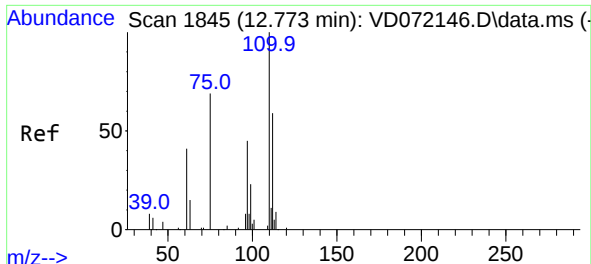
Tgt Ion:152 Resp: 464244
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.8
150 153.2 0.0 348.6



#75
1,1,2,2-Tetrachloroethane
Concen: 2.147 ug/l
RT: 12.725 min Scan# 1837
Delta R.T. 0.005 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Tgt Ion: 83 Resp: 14129
Ion Ratio Lower Upper
83 100
131 4.4 5.0 14.9#
85 0.0 32.6 98.0#

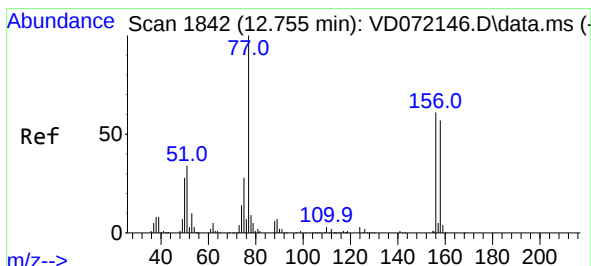
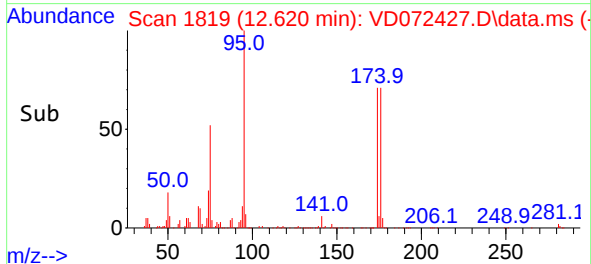
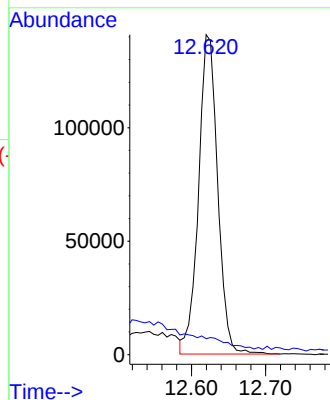
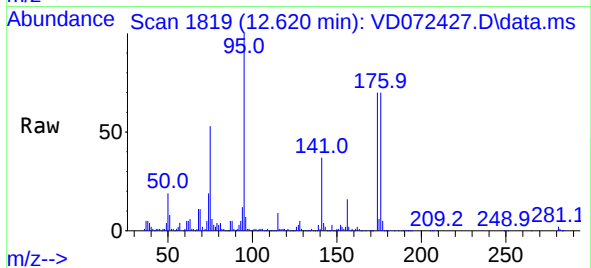




#76
1,2,3-Trichloropropane
Concen: 49.187 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

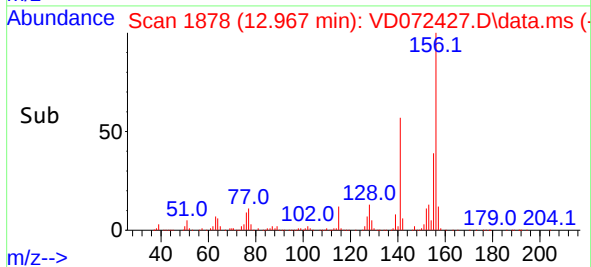
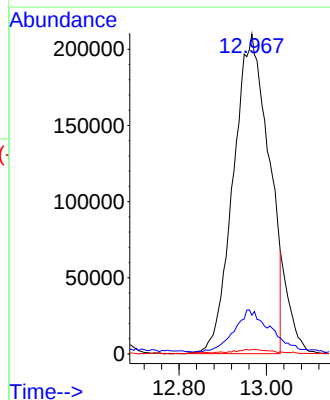
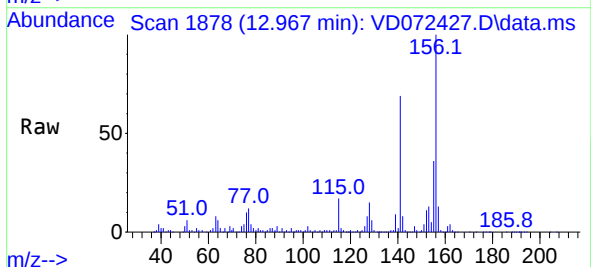
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

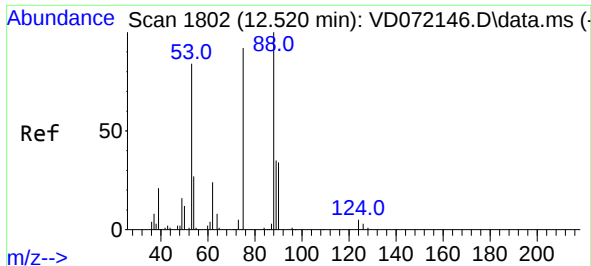
Tgt Ion: 75 Resp: 251889
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 142.672 ug/l
RT: 12.967 min Scan# 1878
Delta R.T. 0.211 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Tgt Ion:156 Resp: 1181367
Ion Ratio Lower Upper
156 100
77 12.3 102.8 308.3#
158 0.3 48.7 146.1#

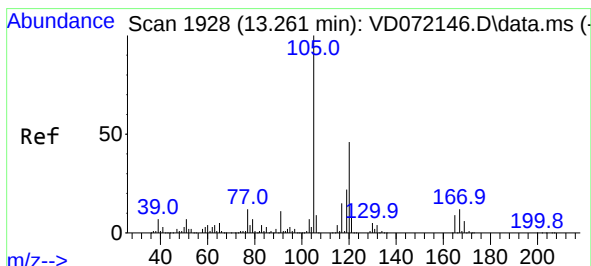
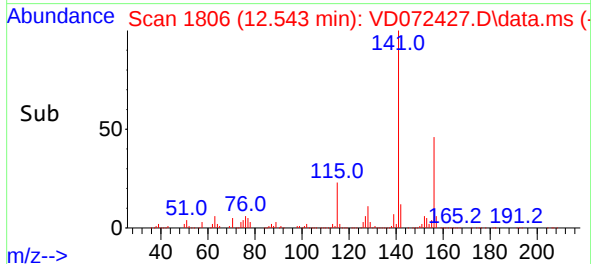
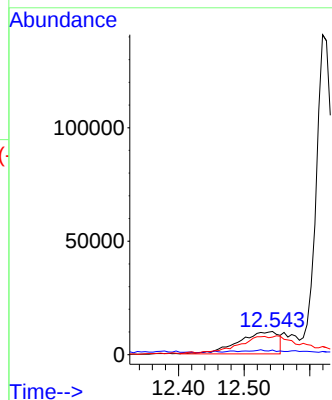
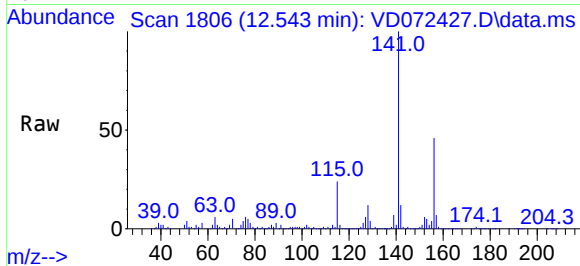




#81
trans-1,4-Dichloro-2-butene
Concen: 20.314 ug/l
RT: 12.543 min Scan# 1806
Delta R.T. 0.023 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

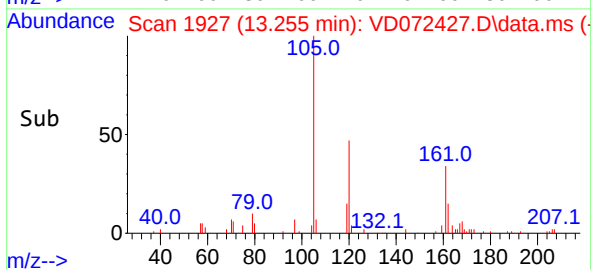
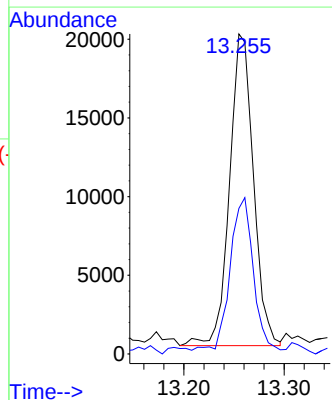
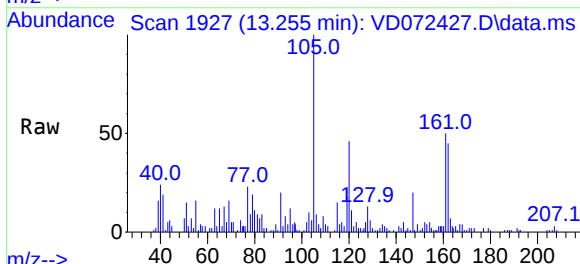
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

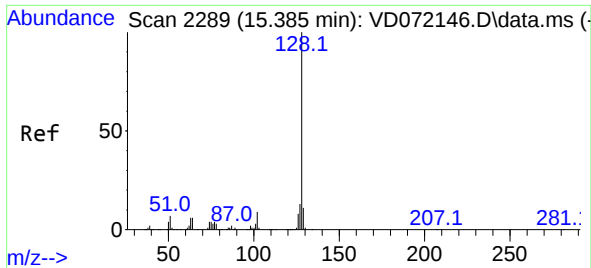
Tgt Ion: 75 Resp: 41929
Ion Ratio Lower Upper
75 100
53 2.7 86.5 129.7#
89 54.2 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.054 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

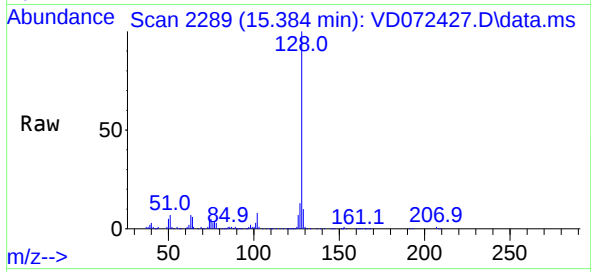
Tgt Ion: 105 Resp: 32832
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.8





#95
Naphthalene
Concen: 20.947 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD072427.D
Acq: 25 Mar 2022 14:19

Instrument :
MSVOA_D
ClientSampleId :
VIBLK



Tgt Ion:128 Resp: 361693
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 10.6 8.4 12.6

